

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-6 (Previously Cancelled).

Claims 7-10 (Cancelled).

Claim 11 (Currently Amended) A driver circuit, comprising:
a phase generator; and
a charge pump, which includes a plurality of stages,
wherein signals from each of said plurality of stages are fed
back to said phase generator to affect adaptive control of a
plurality of phases of said plurality of stages by indicating
that corresponding edges of the plurality of phases have
terminated, and ~~An apparatus as recited in claim 7,~~ wherein
said adaptive control further comprises commencing a first
phase only upon termination of a second phase.

Claim 12 (Currently Amended) An apparatus as recited in claim
7 11, wherein a third phase can change only after said second
phase is in an on-state.

Claims 13-16 (Cancelled).

Claim 17 (Currently Amended) A display device including a
driver circuit, wherein the driver circuit comprises:

a phase generator; and
 a charge pump, which includes a plurality of stages,
wherein signals from each of said plurality of stages are fed
back to said phase generator to affect adaptive control of a
plurality of phases of said plurality of stages by indicating
that corresponding edges of the plurality of phases have
terminated, and ~~A display device as recited in claim 13,~~
wherein said adaptive control further comprises commencing a
first phase only upon termination of a second phase.

Claim 18 (Currently Amended) A display device as recited in
claim ~~18~~ 17, wherein a third phase can change only after said
second phase is in an on-state.